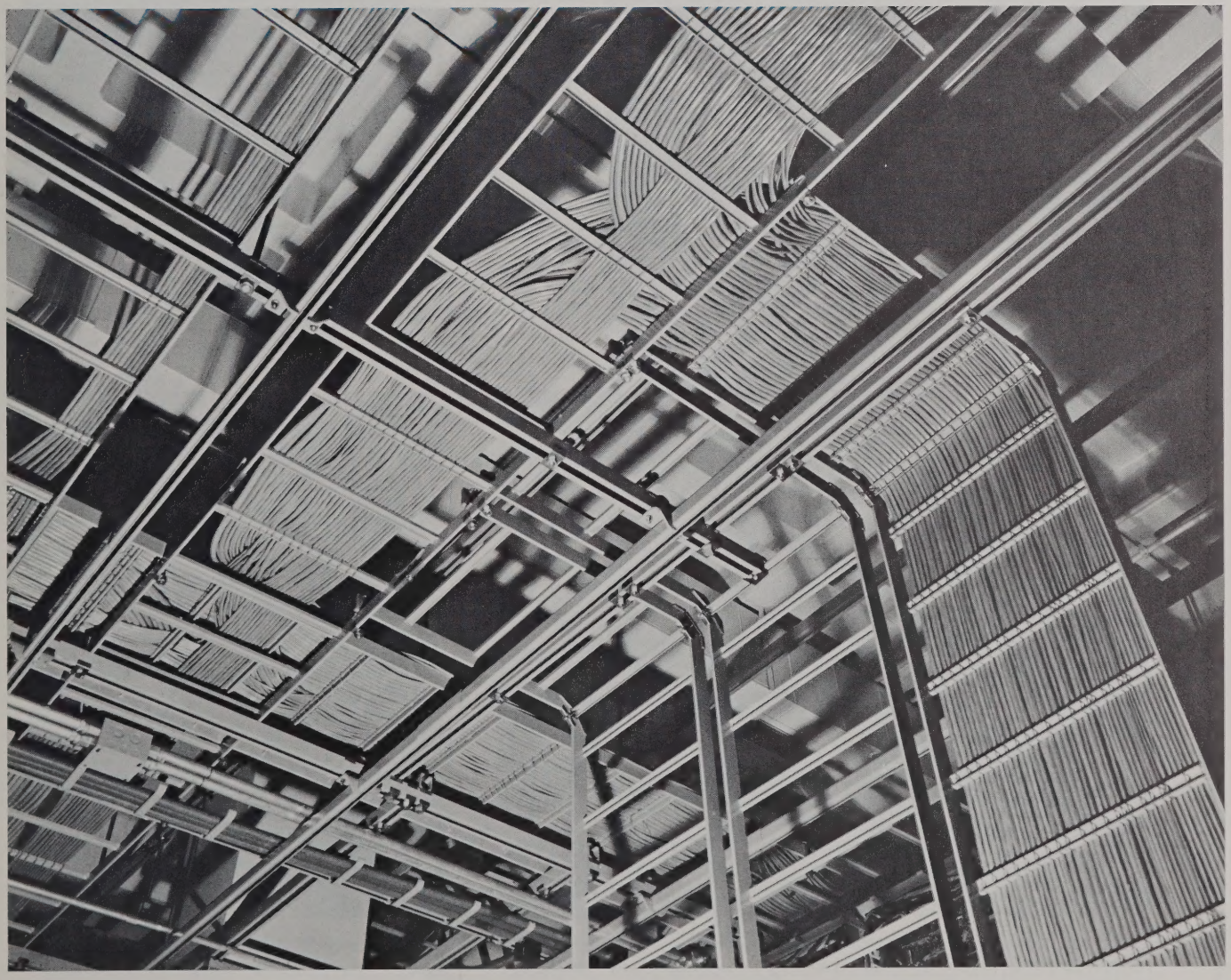
HARRIS

CABLE RUNWAY



Metal Fabrication Facilities

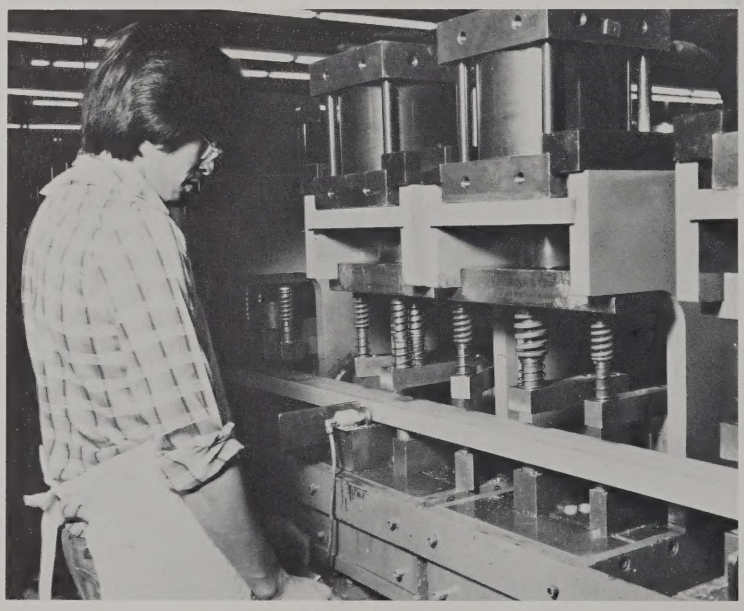
Dracon Division has always taken pride in its capability of providing both custom and proprietary products that meet rigid communication industry standards. Our reputation has been earned by providing customers with solutions to their problems, on-time product delivery and the highest in product quality.

We are always willing to work with our customers in satisfying their special product needs. If you do not find it in our existing product line we will be happy to work with you to solve your problems.

Whether it is providing products for telephony, the electronic industry or OEM manufacturers, Dracon's in-house metal fabrication is one of our many valued entities in total manufacturing and product development. This total in-house capability manufactures all Dracon cable runways, equipment racks and sheet metal products.

Dracon's Cable Runway process of manufacturing incorporates in-house assembly in our welding department, then transfers on an overhead conveyor to our electrostatic paint system for painting in gray enamel prior to oven-baking. Final conveyor delivery is then made to the packing area.

In our metal fabrication department the product is transferred on an overhead crane first through a series of metal cleaning tanks with chemicals to clean and prepare them for final finishing.



One of our many punch presses that was designed by Dracon. Other specially designed presses and automatic tapping machines are used in the manufacturing of special equipment racks, cable runways and other precision metal products.

We always maintain a large inventory of standard cable runway sizes and auxiliary hardware.

Tubular Cable Runway and Installation Hardware

Features and Benefits

Lightweight

Those interested in equipment room weight limits will appreciate the 50% weight reduction offered by Harris-Dracon Cable Runways over the solid bar type.

Safer Handling

One man can easily lift and safely handle sections of this lightweight Cable Runway.

Cost Effective

The tubular steel construction reduces handling, cutting and drilling time up to 65%.

Compatible with all Cable Runway

Harris-Dracon's Cable Runway is dimensioned to conform with industry runway standards.

Lower Shipping Costs

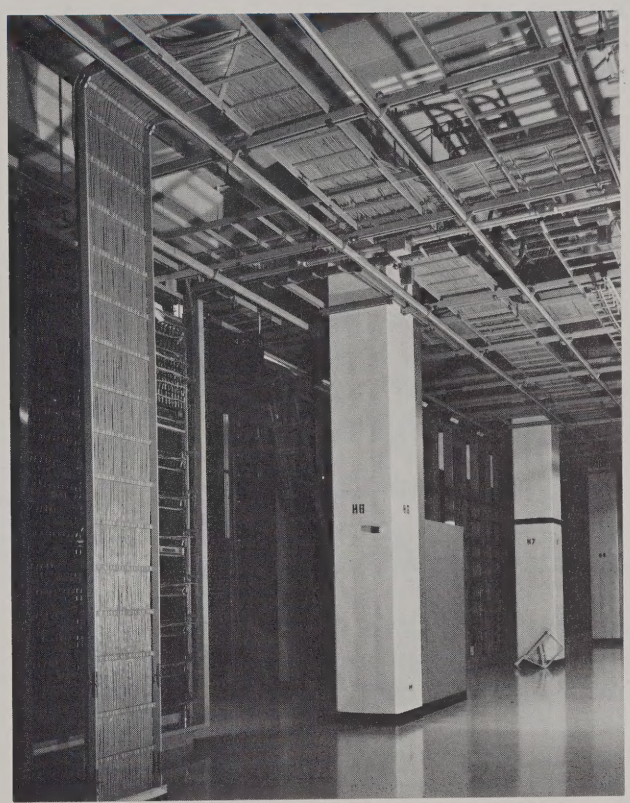
The savings in transportation costs add to the other economic advantages of this runway.

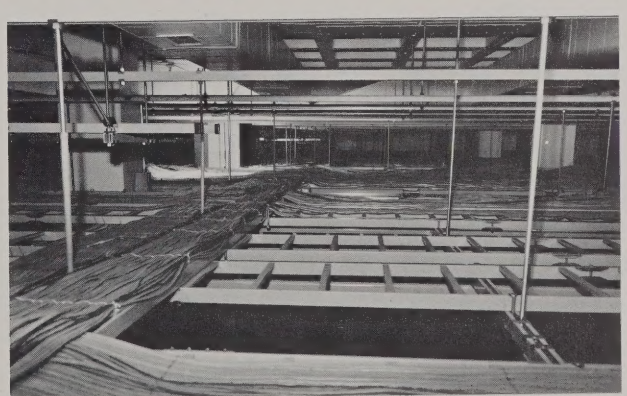
Easier to Order Accessories

Hardware for installing this cable runway may be ordered as components or in kit form to reduce your engineering time.

Quick Delivery

We maintain a large stock of cable Runway and auxiliary hardware for immediate shipment. We have discontinued stocking and manufacturing Cable Runway with 2 inch stringers (side rails). However these may be obtained by a special order. Consult Harris Dracon on price and availability. Our 1100 Series Cable Runway is available with short lead times.





General Description

Harris Dracon Cable Runway is primarily constructed of .065 inch wall rectangular steel tubing, in a high strength alloy with a minimum yield strength of 50,000 psi. Each section is finished in telephone gray baked enamel.

Described in this catalog section are several styles of runway and a complete line of installation hardware.

10250 Cable Runway

Type 10250

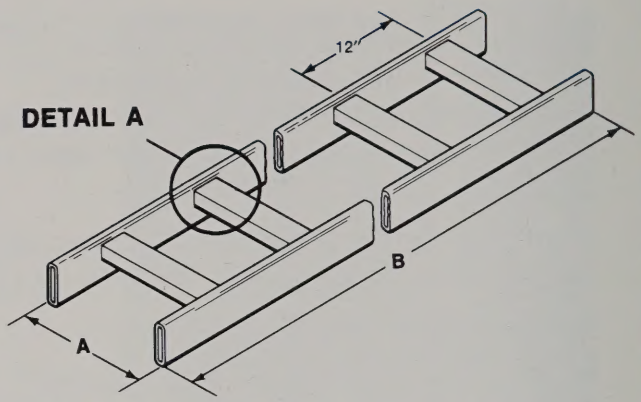
This style runway is made entirely of rectangular steel tubing and is available in seven standard widths (Dim. A). Cross-members are welded at twelve inch intervals. Overall length is 9 feet, 11½ inches.

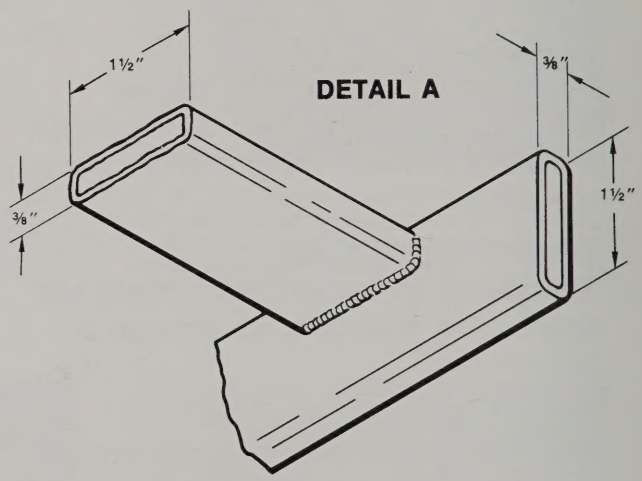
Ordering Information

Specify full part number from chart below that indicates the desired width (Dim. A).

Part Number	Dim. A	Dim. B	Weight (lbs.)
10250-004	4"	9' 11½"	18
10250-006	6"	9' 11½"	20
10250-009	9"	9' 11½"	22
10250-012	12"	9' 11½"	24
10250-015	15"	9' 11½"	26
10250-018	18"	9' 11½"	28
10250-024	24"	9' 11½"	31

Note: For widths of 15" or more the use of 2 inch side stringers is recommended. These may be obtained by special order. Please consult Harris Dracon Division for price and availability.





11255 Cable Runway

Type 11255

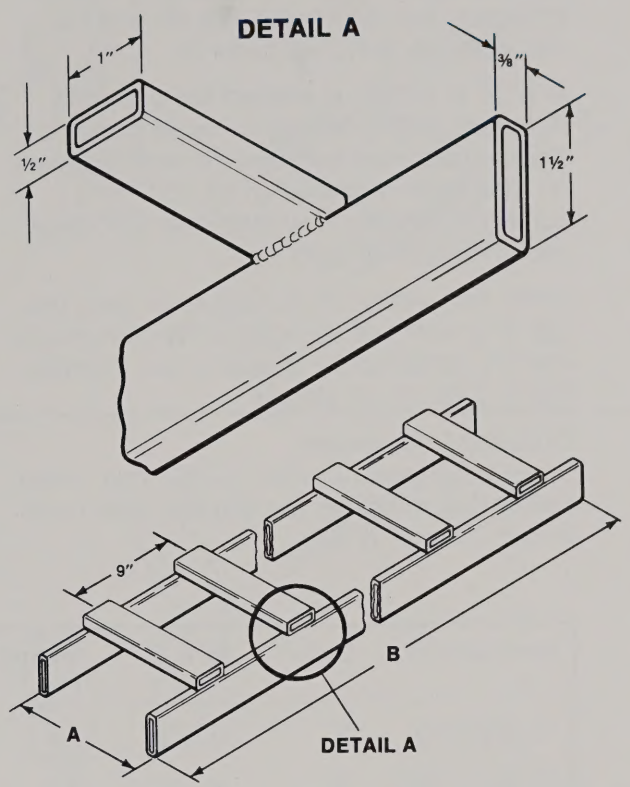
This versatile "open strap" type Cable Runway is designed with tubular cross-members welded on top of the side stringers at 9 inch intervals. This type runway has ⅜" x 1½" side stringers.

The open strap design permits the insertion of 11260 extension horns for creating a cable trough.

Ordering Information

Specify full part number from the chart below which corresponds to the width and length you desire.

Part Number	Dim. A	Dim. B	Weight (lbs.)
11255-005	5"	9' 8½"	18
11255-010	10"	9' 8½"	22
11255-012	12"	9' 8½"	24
11255-013	12"	4' 5½"	11



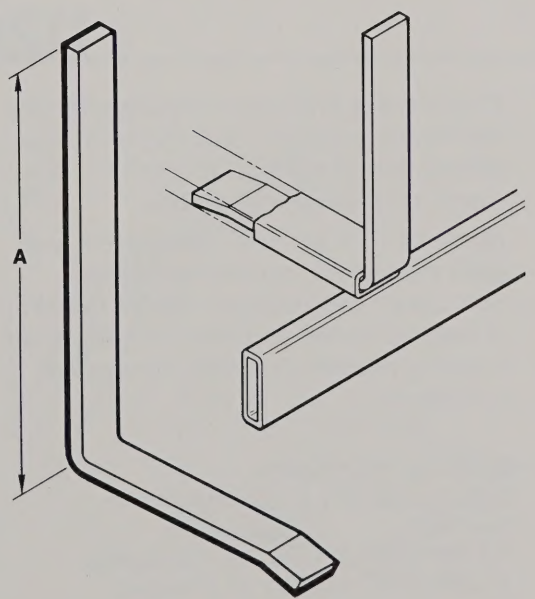
11260 Extension Horn

The 11260 Extension Horn is used to add to the capacity of type 11255 Cable Runway. By inserting extension horns in the open-strap cross-members, a deeper trough is formed for holding larger quantities of cable.

These Extension Horns are made of ¼" x ¾" cold rolled steel bar, formed as shown in the illustration and finished in telephone gray baked enamel like the runway they are used with. Three standard sizes are available.

Ordering Information

Part Number	Dim. A
11260-006	6"
11260-008	8"
11260-010	10"
11260-012	12"



11252 Cable Runway

Type 11252

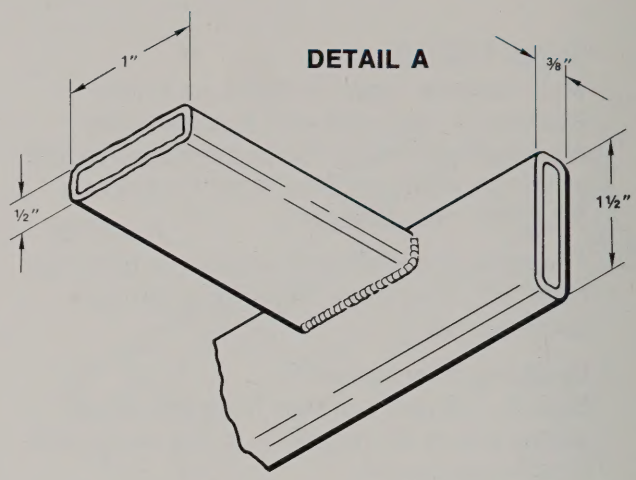
Similar in construction to type 10250, this runway has ⅜" x 1½" steel tubing as side stringers, but dimension B is shorter to comply with WECO standards.

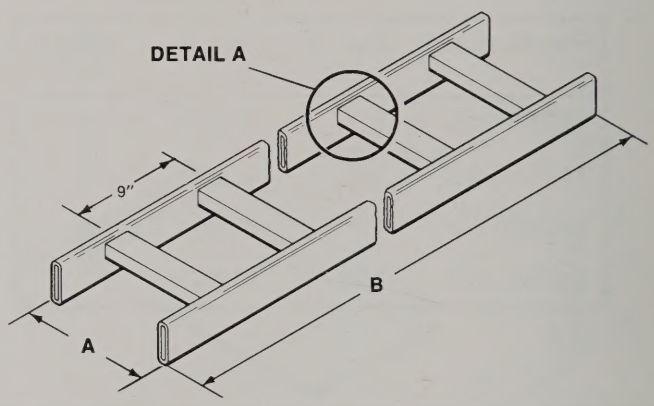
A ½" x 1" tubing is welded between the stringers at 9" intervals as cross-members. These cross-members have a wall thickness of .065 inch in widths up to 20". For additional rigidity in widths over 20" the wall thickness is .085".

Note: For widths of 20 inches or over the use of 2 inch side stringers is recommended and are obtained by special order. Contact Harris Dracon for details.

Ordering Information

Specify full part number 11252 from chart below that indicates the desired width and length (Dim. A & B).



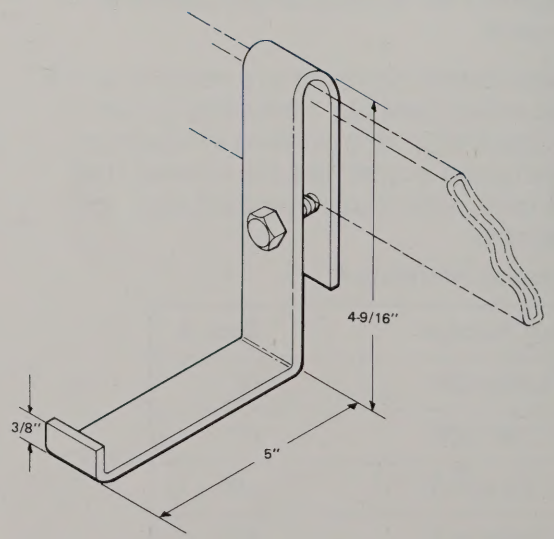


Part Number	Dim. A	Dim. B	Weight (lbs.)
11252-005	5"	9' 8½"	18
11252-010	10"	9' 8½"	22
11252-012	12"	9' 8½"	24
11252-013	12"	4' 5½"	11

11268 Auxiliary Cable Bracket

This bracket provides a separate facility for running power conductors or other cables that should be physically separated from telephone cables.

Made of 1" x ⅛" cold rolled steel and gold iridited for protection against corrosion, this Auxiliary Cable Bracket is easy to install and costs far less than running additional ladder type cable runway.



Ordering Information

Specify quantity and part number.

Part No.	Description
11268-001	For 1½" stringers
11268-002	For 2" stringers

11301 Runway Splice Kit

This kit contains the material required to butt splice Cable Runway. The plates, bolts, and nuts will fit existing solid steel runway as well as Dracon style. Made of steel, cadmium plated and iridited.

This kit consists of:

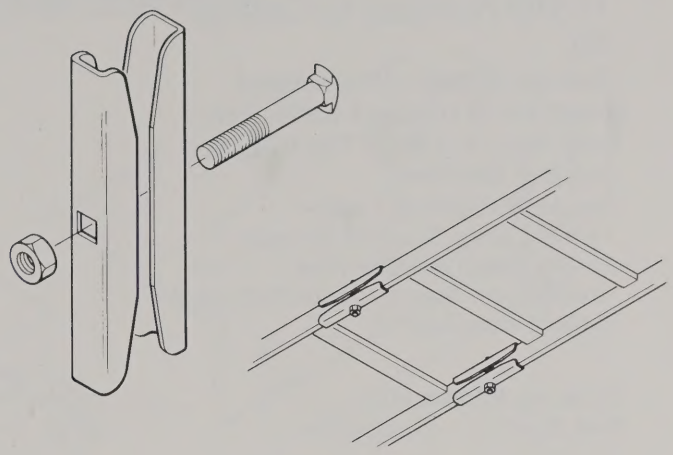
4 each: 11401-000 Splice Plate

2 each: ⅜-16 x 2¼" trimmed head bolt and nut (see note).

Ordering Information

Specify part number:

11301-001 for 1½" stringers



11313 Runway Splice Kit

This kit contains the material required to butt splice Cable Runway at a 45° vertical angle in a manner similar to that employed by the 11301 kit described above. Made of steel, cadmium plated and iridited.

This kit consists of 2 each:

11412-000 Inside Splice Plate

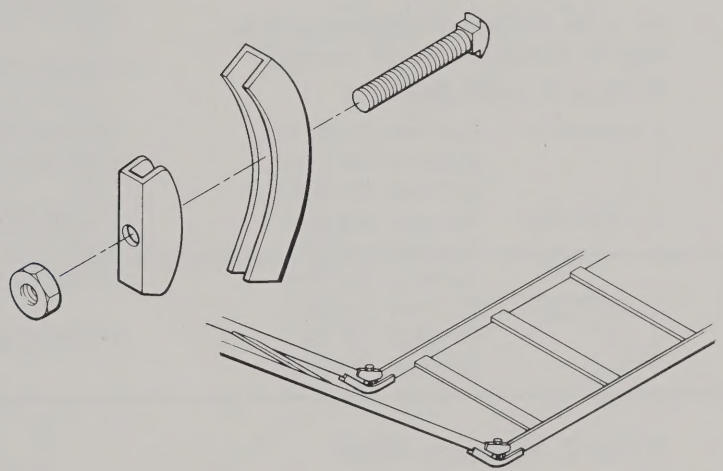
11413-000 Splice Plate

⅜-16 x 2¾" trimmed head bolt and nut (see note).

Ordering Information

Specify part number:

11313-001 for 1½" stringers



11314 Runway Splice Kit

This kit contains material required to butt splice Cable Runway at a 90° vertical angle in a manner similar to kit 11313.

This kit consists of 2 each:

11412-000 Inside Splice Plate

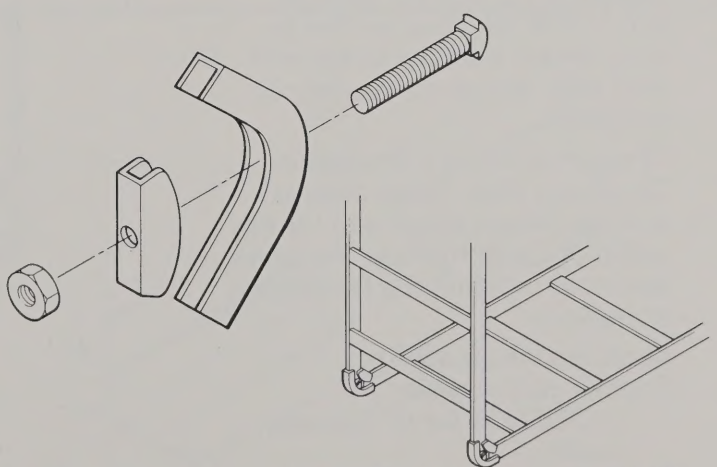
11414-000 Splice Plate

⅜-16 x 3½" trimmed head bolt and nut (see note).

Ordering Information

Specify part number:

11314-001 for 1½" stringers

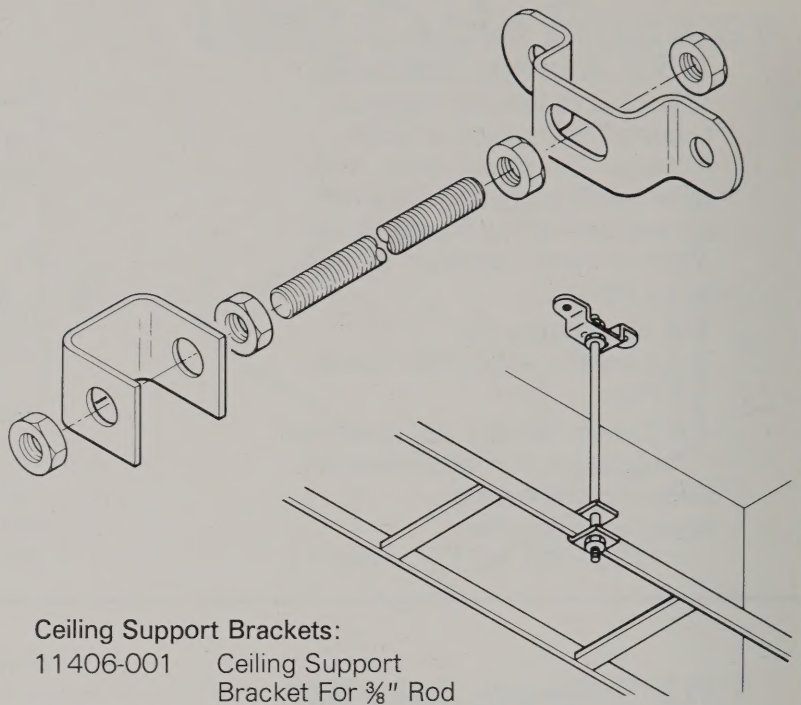


Note: For ordering trimmed head, carriage or 'J' bolts separately consult charts on page 12 for part numbers.

11310 Runway to Ceiling Kit

This kit contains the material required to suspend Cable Runway from a ceiling. The threaded rod is 6 feet long.

This kit consists of 1 each:
11406 Ceiling Support Bracket
11440 Type Threaded Rod
11408 Type Runway Support Bracket
4 each: Hex Nuts



Ordering Information

Part Number	Description
11310-001	For 1½" Stringers, ⅜" Rod
11310-002	For 2" Stringers, ⅝" Rod
11310-003	For 1½" Stringers, ⅝" Rod

To order Brackets or Rod separately specify part number and diameter.

Runway Support Brackets:

11408-001	Runway Support Bracket For 1½" Stringer, ⅜" Rod
11408-002	Runway Support Bracket For 2" Stringer, ⅝" Rod
11408-003	Runway Support Bracket For 1½" Stringer, ⅝" Rod

Ceiling Support Brackets:

11406-001	Ceiling Support Bracket For ⅜" Rod
11406-002	Ceiling Support Bracket For ⅝" Rod

Threaded Rod:

11440-001	For ⅜" Rod, 6' length
11440-002	For ⅝" Rod, 6' length
11440-003	For ⅜" Rod, 12' length
11440-004	For ⅝" Rod, 12' length

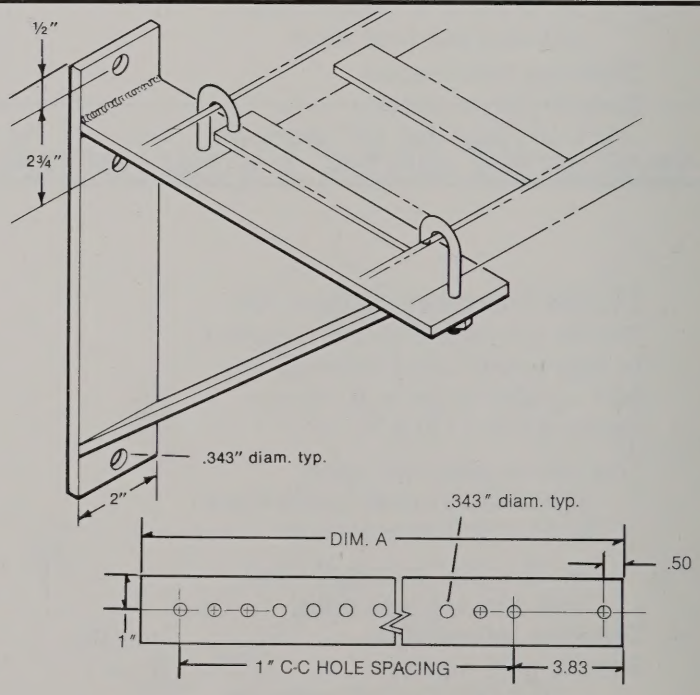
11312 Runway Wall Support Bracket

This triangular welded bracket provides support for Cable Runway along walls. The Runway can be secured to the bracket by means of a J Bolt Kit, such as p/n 11308, and the bracket in turn can be fastened to the wall with appropriate hardware (not included).

These brackets are finished in Telephone Gray baked enamel and can be manufactured for any width of Cable Runway. For sizes not listed, contact the factory for quotations.

Ordering Information

Specify part number:
11312-006 for 6" Runway width
11312-012 for 12" Runway width



PART NO.	DIM. A
11312-006	9"
11312-012	15"

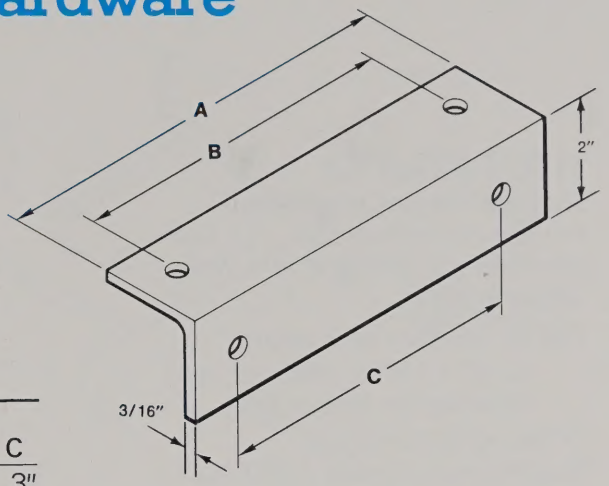
Angle and Framing Hardware

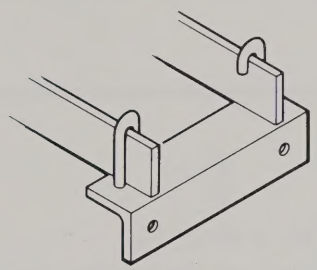
11421 Wall Angle

This steel support angle is cut and drilled for wall mounting specific widths of Cable Runway. It is finished in standard Telephone Gray baked enamel.

Ordering Information

Specify part number from the chart that corresponds to the width of the Cable Runway being mounted.





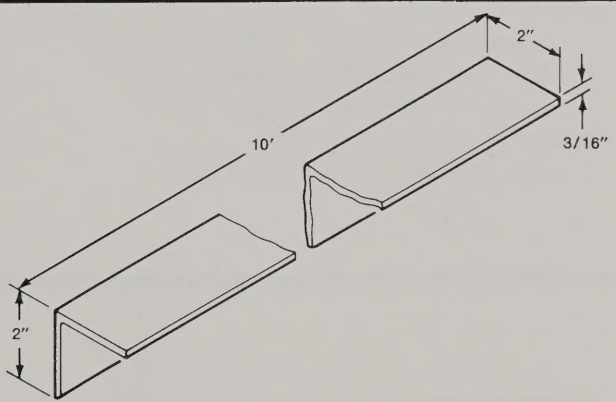
Part Number	Runway Width	A	B	C
11421-005	5"	7"	5.31"	3"
11421-006	6"	8"	6.31"	4"
11421-009	9"	11"	9.31"	7"
11421-010	10"	12"	10.31"	8"
11421-012	12"	14"	12.31"	10"
11421-015	15"	17"	15.31"	13"
11421-018	18"	20"	18.31"	16"
11421-020	20"	22"	20.31"	18"
11421-024	24"	26"	24.31"	22"
11421-025	25"	27"	25.31"	23"
11421-030	30"	32"	30.31"	28"

11420 Wall Angle

This steel angle is finished in gray baked enamel for use as a wall support. The standard length is 10 feet.

Ordering Information

Specify part number 11420-000.

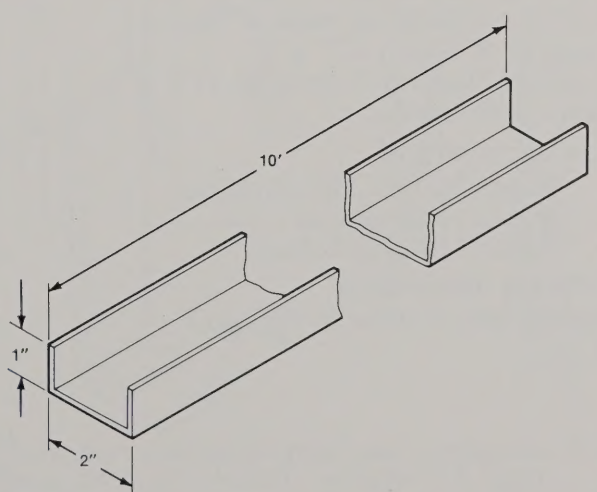


11450 Auxiliary Framing

This gray enameled steel channel is commonly used as auxiliary framing for Cable Runway. The standard length is 10 feet.

Ordering Information

Specify part number: 11450-001.



11303 J Bolt Kit

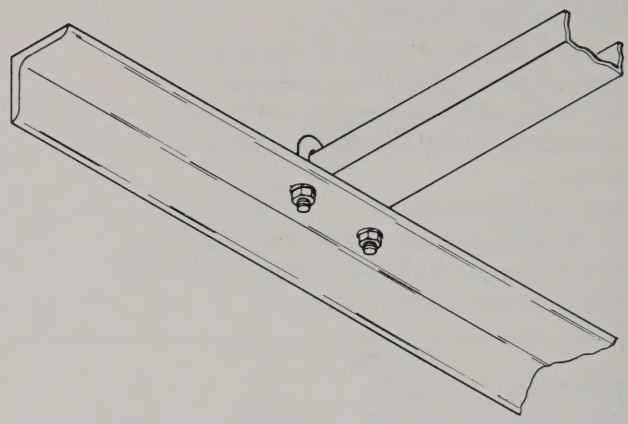
This kit contains the material required to attach a 2" x 1" Auxiliary Framing Channel to a Wall Angle Support.

The kit consists of 2 each:

¼-20 x 1¾" J Bolt, nut, and lockwasher (see note).

Ordering Information

Specify part number 11303-000.



11304 J Bolt Kit

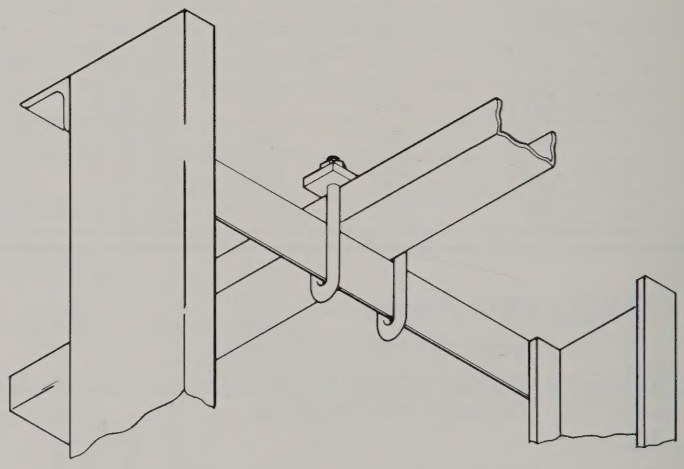
This kit contains the material required to attach a 2" x 1" Auxiliary Framing Channel to a 2" x 2" Relay Rack top angle.

The kit consists of:

2 each 5/16-18 x 3¾" J Bolt, nut and lockwasher (see note).
1 each 11403-000 Plate

Ordering Information

Specify part numbers 11304-000



11305 J Bolt Kit

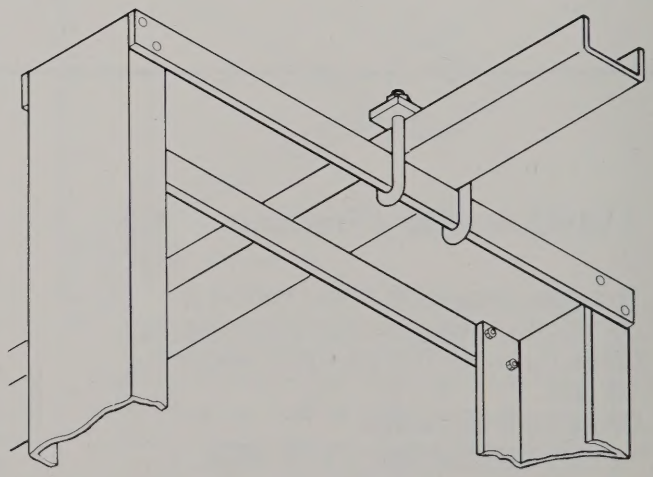
This kit contains the material required to attach a 2" x 1" Auxiliary Framing Channel to a 1" Relay Rack top bar.

The kit consists of:

2 each 5/16-18 x 3¼" J Bolt, nut and lockwasher (see note).
1 each 11403-000 Plate

Ordering Information

Specify part number 11305-000



Note: For ordering trimmed head, carriage or 'J' bolts separately consult charts on page 12 for part numbers.

11306 J Bolt Kit

This kit contains the material required to attach any Cable Runway to a 2" x 1" Auxiliary Framing Channel without the need of hole drilling.

The kit consists of:

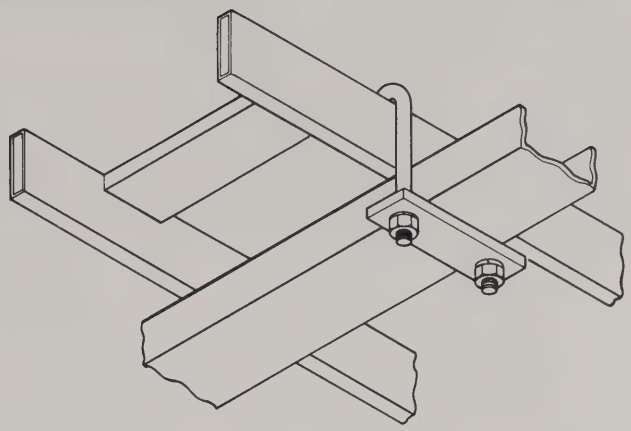
2 each 5/16-18 x 3¼" J Bolt, nut and lockwasher (see note).

1 each 11403-000 Plate

Ordering Information

Specify part number:

11306-001 for 1½" stringers



11308 J Bolt Kit

This kit contains the material required to attach Cable Runway to a Wall Angle Support (see page 8).

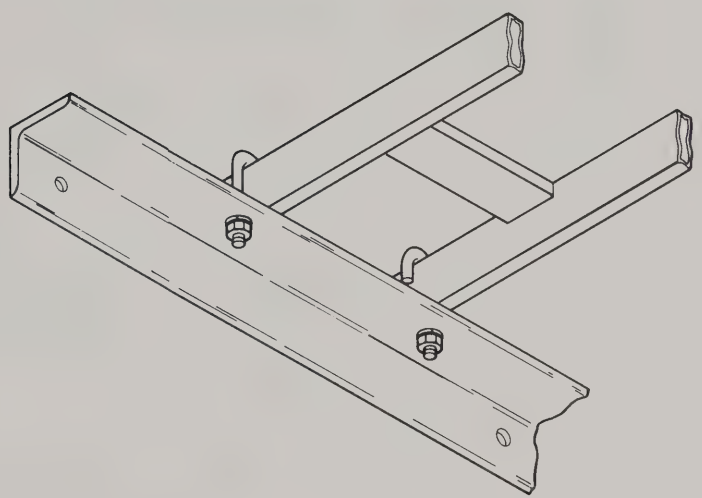
The kit consists of:

2 each: 5/16-18 x 2¼" J Bolt, nut and lockwasher (see note).

Ordering Information

Specify part number:

11308-001 for 1½" stringers



11309 Cable Runway Foot Kit

This kit contains the material required to terminate and secure Cable Runway to a wall of floor.

This kit consists of:

4 each 11401-000 Splice Plate

2 each 11405 Runway Foot

⅜-16 x 2¼" trimmed head bolt and nut (see note).

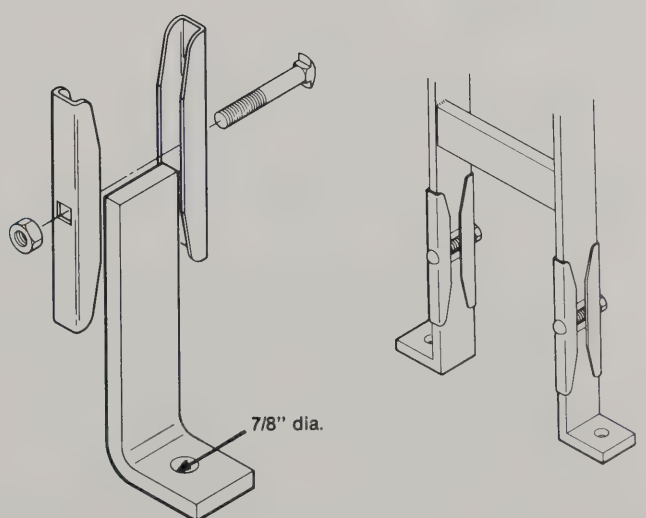
Ordering Information

Specify part number:

11309-001 for 1½" stringers

Note: For ordering Runway Foot separately specify part number:

11405-001 for 1½" stringers



Note: For ordering trimmed head, carriage or 'J' bolts separately consult charts on page 12 for part numbers.

11302 Runway Junction Kit

This kit contains the material required to create a complete Cable Runway T-junction, as shown in illustration. Made of steel, cadmium plated and iridited.

This kit consists of:

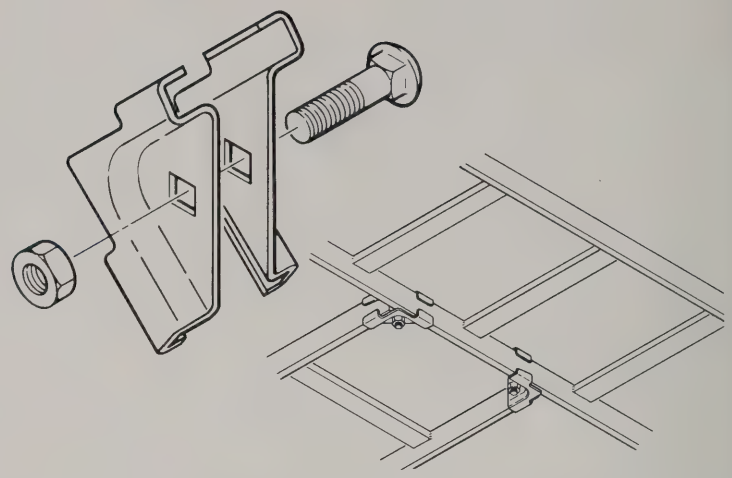
4 each 11404-000 Corner Plate

2 each ⅜-16 x 1¼" carriage bolt and nut (see note).

Ordering Information

Specify part number:

11302-001 for 1½" stringers



11307 Auxiliary Framing Channel Splice Kit

Included in this kit are all material necessary to butt splice 2" x 1" Auxiliary Framing Channel (page 8). Made of steel, cadmium plated and iridited.

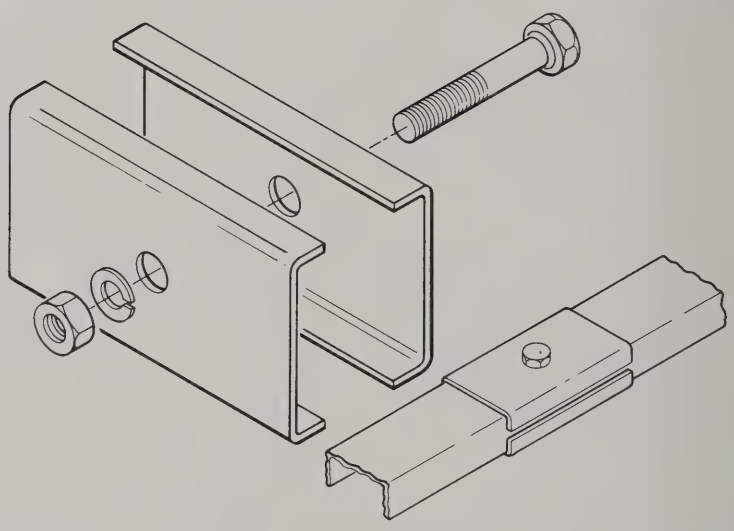
This kit consists of:

2 each 11402-000 Splice Plate

1 each ⅜-16 x 1¾" hex bolt, nut and lockwasher.

Ordering Information

Specify part number 11307-000



11400 Bar Splice

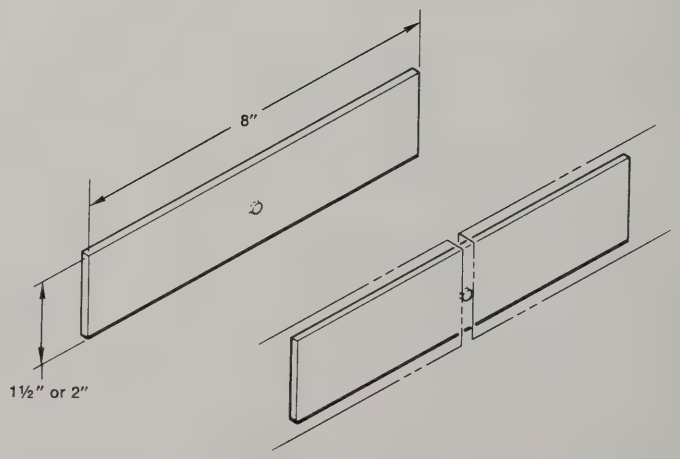
This unique Splice Plate makes use of the tubular construction of Dracon Cable Runway in providing the most efficient splice possible. A solid steel bar is inserted in the ends of the sections being joined. A dimple acts as a 0.18 inch spacer between sections. Finished in gray baked enamel.

Note: This Bar Splice will not adapt to solid steel runway.

Ordering Information

Two Bar Splices are required to complete each splice. Specify part number:

11400-001 for 1½" stringers



Note: For ordering trimmed head, carriage or 'J' bolts separately consult charts on page 12 for part numbers.

10900 Series Cable Brackets

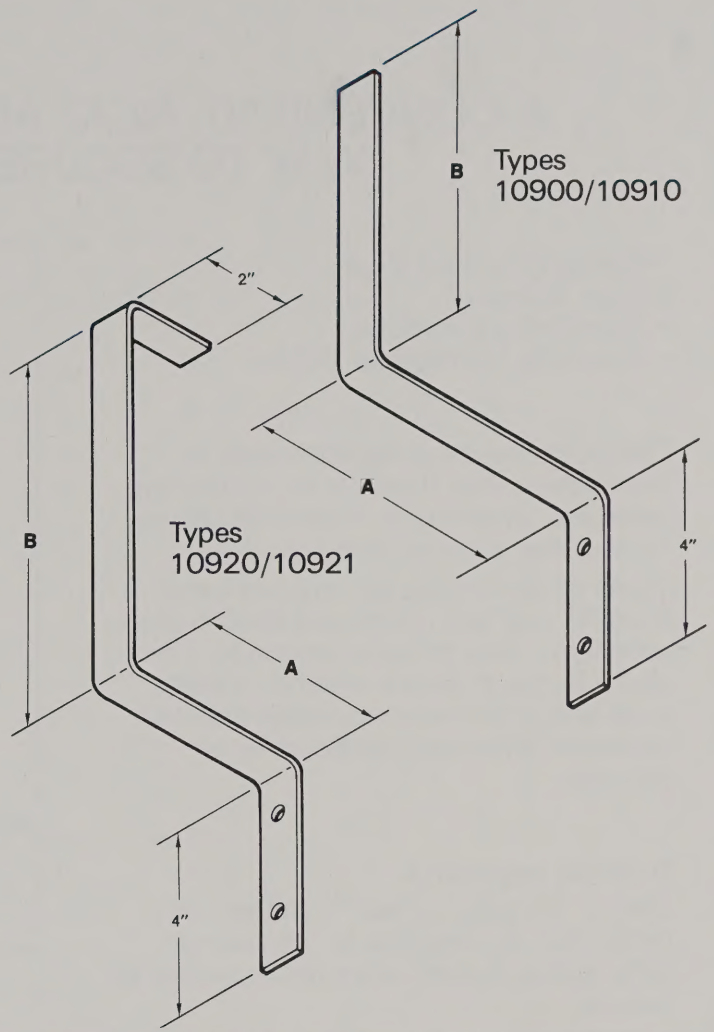
Heavy Duty Cable Supports

Types 10900, 10910, 10920 and 10921 Cable Support Brackets were designed to support heavy cable runs, such as multiple strand PBX cable, along walls in the mainframe or switch-room or wherever wall support of heavy cable is required.

All four types are fabricated in 1" x 1/8" Zinc plated steel strap. The holes for wall mounting are 5/16" diameter on a 2" center. Custom brackets can be manufactured to meet any specific customer requirements; contact the factory for quotations.

Ordering Information

Specify part number of size desired from chart below:



Part No.	A	B	Std. Pkg.	Ship Wt. lbs.
10900-000	6	6	100	55
10910-000	4	4	100	38
10920-000	4	7¾	40	31
10921-000	4	4	50	20

BOLT REFERENCE CHARTS

11430 J Bolt

Part No.	Thread	Length	Opening
11430-001	¼-20	1¾"	7/32
11430-002	¼-20	2"	7/32
11431-001	5/16-18	2¼"	7/16
11431-002	5/16-18	2¾"	7/16
11431-003	5/16-18	3¼"	7/16
11431-004	5/16-18	3¾"	7/32
11431-005	5/16-18	3¾"	7/16

11432 Carriage Bolt

Part No.	Thread	Length
11432-001	3/8-16	1¼"
11432-002	3/8-16	1¾"

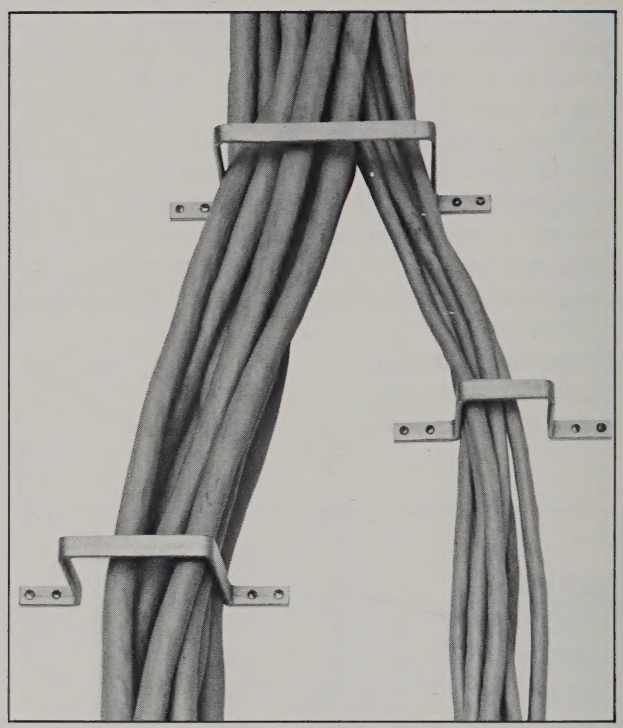
11433 Trimmed Head Bolt

Part No.	Thread	Length
11433-003	3/8-16	2¼"
11433-004	3/8-16	2¾"
11433-005	3/8-16	3½"
11433-006	3/8-16	3¾"

10940 Type Cable Distribution Rings

A CONVENIENT, NEAT AND ECONOMICAL WAY TO SECURE CABLES

- Saves Time and Cost
- Easy to Install
- Sturdy Constructions
- Prevents Damage to Cables



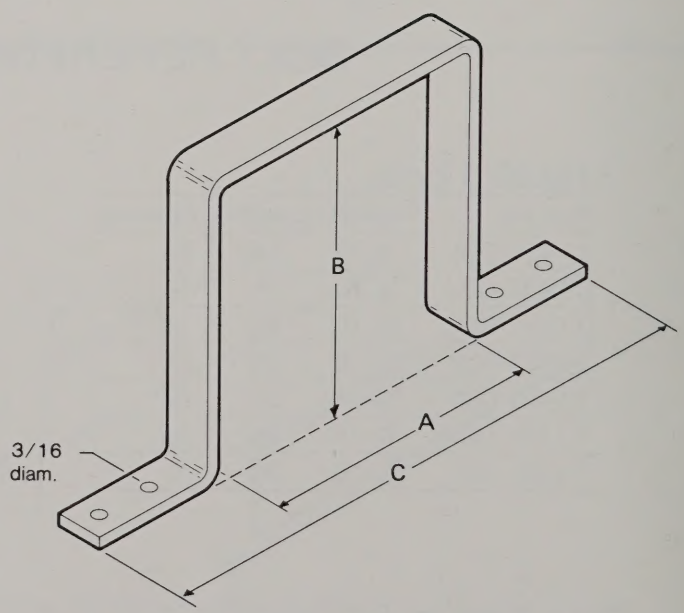
Dracon offers three standard sizes of Distribution Ring Brackets for supporting cable and jumper wire in terminal closets or wherever cable runs are required.

These attractive brackets are fabricated from ⅛" x ½" hot rolled steel strap and are cadmium plated to resist corrosion. The edges of this strap are rolled to prevent nicks and scratches in the cable and wire insulation. Mounting hardware is not included.

Ordering Information

Specify the part number from the chart below that corresponds to the desired dimensions. Custom sizes will be quoted on request.

Part Number	Dim. A.	Dim. B.	Dim. C.
10941-000	2⅛"	2¼"	5⅛"
10942-000	3⅛"	3¼"	6⅛"
10943-000	5⅛"	3¼"	8⅛"



HARRIS CORPORATION Dracon Division
809 Calle Plano
Camarillo, CA 93010
Tel. 805/987-9511 TELEX 182327

HARRIS

© Harris Corporation Dracon Division
Form No. 0402A Printed in U.S.A.